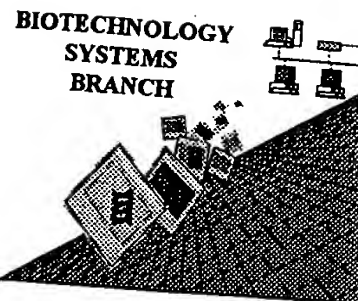


T. Larr

RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: 09/214,371A
Art Unit / Team No. : 1635
Date Processed by STIC: 3/10/2000

RECEIVED
MAR 27 2000
TC 1635 MAIL ROOM

THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,**
- 2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY**

THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

MARK SPENCER 703-308-4212

T. Larson

1635

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/214,371A

DATE: 03/10/2000
TIME: 16:17:04

Input Set: I214371A.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

4,5,2

Does Not Comply
Corrected Diskette Needed

RECEIVED
MAR 27 2000
TC 1600 MAIL ROOM

1 <110> APPLICANT: Lane, David
2 Bottger, Volker
3 Bottger, Angelica
4 Picksley, Stephen
5 Chene, Patrick
6 Hochkeppel, Heinz-Kurt
7 Garcia-Echeverria, Carlos
8 Furet, Pascal
9 <120> TITLE OF INVENTION: Inhibitors of the Interaction of P53 and MDM2
10 <130> FILE REFERENCE: 4-20937/A/PCT
11 <140> CURRENT APPLICATION NUMBER: US/09/214,371A
12 <141> CURRENT FILING DATE: 1999-03-26
13 <150> EARLIER APPLICATION NUMBER: PCT/EP97/03549
14 <151> EARLIER FILING DATE: 1997-07-04
15 <160> NUMBER OF SEQ ID NOS: 83
16 <170> SOFTWARE: PatentIn Ver. 2.0
17 <210> SEQ ID NO 1
18 <211> LENGTH: 19
19 <212> TYPE: PRT
20 <213> ORGANISM: Artificial Sequence
21 <220> FEATURE:
22 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide
23 <400> SEQUENCE: 1
24 Pro Leu Ser Gln Gln Thr Phe Ser Asp Leu Trp Lys Leu Leu Pro Glu
25 1 5 10 15
26 Asn Asn Val
27 <210> SEQ ID NO 2
28 <211> LENGTH: 5
29 <212> TYPE: PRT
30 <213> ORGANISM: Artificial Sequence
31 <220> FEATURE:
32 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide
33 <220> FEATURE:
34 <223> OTHER INFORMATION: Where Xaa may be any amino acid
35 <400> SEQUENCE: 2
36 Phe Xaa Xaa Leu Trp
37 1 5
38 <210> SEQ ID NO 3
39 <211> LENGTH: 10
40 <212> TYPE: PRT
41 <213> ORGANISM: Artificial Sequence
42 <220> FEATURE:
43 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide
44 <220> FEATURE:

w-->OK

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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/214,371A

DATE: 03/10/2000
TIME: 16:17:04

Input Set: I214371A.RAW

45 <223> OTHER INFORMATION: Xaa represents any amino acid and proline,
46 phenylalanine, aspartic acid, tyrosine ,
47 tryptophan and leucine are L-amino acids

48 <220> FEATURE:

49 <400> SEQUENCE: 3

50 Pro Xaa Phe Xaa Asp Tyr Trp Xaa Xaa Leu

51 1 5 10

52 <210> SEQ ID NO 4

53 <211> LENGTH: 10

54 <212> TYPE: PRT

55 <213> ORGANISM: Artificial Sequence

56 <220> FEATURE:

57 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide

58 <220> FEATURE:

59 <221> NAME/KEY: VARIANT

60 <222> LOCATION: (1)..)

61 <223> OTHER INFORMATION: x=proline, leucine, glutamic acid, cysteine or
62 glutamine

63 <220> FEATURE:

64 <221> NAME/KEY: VARIANT

65 <222> LOCATION: (5)

66 <223> OTHER INFORMATION: x = arginine, histidine, glutamic acid, cysteine,
67 serine or preferably aspartic acid.

68 <220> FEATURE:

69 <221> NAME/KEY: VARIANT

70 <222> LOCATION: (6)

71 <223> OTHER INFORMATION: x = histidine, phenylalanine, or preferably
72 tyrosine

73 <220> FEATURE:

74 <221> NAME/KEY: VARIANT

75 <222> LOCATION: (1)

76 <223> OTHER INFORMATION: x=proline, leucine, glutamic acid, cysteine or
77 glutamine

78 <220> FEATURE:

79 <223> OTHER INFORMATION: Xaa at position 2, 5, 8 and 9 is any amino acid

80 <400> SEQUENCE: 4

81 Xaa Xaa Phe Xaa Xaa Xaa Trp Xaa Xaa Xaa

82 1 5 10

83 <210> SEQ ID NO 5

84 <211> LENGTH: 10

85 <212> TYPE: PRT

86 <213> ORGANISM: Artificial Sequence

87 <220> FEATURE:

88 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide

89 <220> FEATURE:

90 <221> NAME/KEY: VARIANT

91 <222> LOCATION: (1)

92 <223> OTHER INFORMATION: x = proline, leucine, glutamic acid, cysteine or
93 glutamine

94 <220> FEATURE:

*What about Xaa's at locations
4 and 10?*

W-->

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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/214,371A

DATE: 03/10/2000
TIME: 16:17:04

Input Set: I214371A.RAW

95 <221> NAME/KEY: VARIANT
96 <222> LOCATION: (2)
97 <223> OTHER INFORMATION: x = arginine, asparagine, alanine, threonine or
98 valine
99 <220> FEATURE:
100 <221> NAME/KEY: VARIANT
101 <222> LOCATION: (4)
102 <223> OTHER INFORMATION: X = methionine, isoleucine, threonine, arginine,
103 alanine or serine
104 <220> FEATURE:
105 <221> NAME/KEY: VARIANT
106 <222> LOCATION: (5)
107 <223> OTHER INFORMATION: X= arginine, histidine, glutamic acid, cysteine,
108 serine or preferably aspartic acid.
109 <220> FEATURE:
110 <221> NAME/KEY: VARIANT
111 <222> LOCATION: (6)
112 <223> OTHER INFORMATION: X = histidine, phenylalanine or preferably
113 tyrosine
114 <220> FEATURE:
115 <221> NAME/KEY: VARIANT
116 <222> LOCATION: (8)
117 <223> OTHER INFORMATION: X = glutamic acid, threonine, alanine,
118 phenylalanine or serine
119 <220> FEATURE:
120 <221> NAME/KEY: VARIANT
121 <222> LOCATION: (9)
122 <223> OTHER INFORMATION: X= glycine, glutamine, threonine, alanine or
123 aspartic acid
124 <220> FEATURE:
125 <221> NAME/KEY: VARIANT
126 <222> LOCATION: (10)
127 <223> OTHER INFORMATION: Xaa = phenylalanine, glutamine or preferably
128 leucine
129 <400> SEQUENCE: 5 / / / / /
130 Xaa Xaa Phe Xaa Xaa Xaa Trp Xaa Xaa Xaa
131 1 5 10
132 <210> SEQ ID NO 6
133 <211> LENGTH: 12
134 <212> TYPE: PRT
135 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide
138 <400> SEQUENCE: 6
139 Met Pro Arg Phe Met Asp Tyr Trp Glu Gly Leu Asn
140 1 5 10
141 <210> SEQ ID NO 7
142 <211> LENGTH: 12
143 <212> TYPE: PRT
144 <213> ORGANISM: Artificial Sequence

W--OK

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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/214,371A

DATE: 03/10/2000
TIME: 16:17:04

Input Set: I214371A.RAW

```

145 <220> FEATURE:
146 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide
147 <400> SEQUENCE: 7
148     Gln Pro Thr Phe Ser Asp Tyr Trp Lys Leu Leu Pro
149         1             5             10
150 <210> SEQ ID NO 8
151 <211> LENGTH: 15
152 <212> TYPE: PRT
153 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide
156 <400> SEQUENCE: 8
157     Pro Arg Pro Ala Leu Val Phe Ala Asp Tyr Trp Glu Thr Leu Tyr
158         1             5             10             15
159 <210> SEQ ID NO 9
160 <211> LENGTH: 28
161 <212> TYPE: PRT
162 <213> ORGANISM: Artificial Sequence
163 <220> FEATURE:
164 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide
165 <400> SEQUENCE: 9
166     Met Pro Arg Phe Met Asp Tyr Trp Glu Gly Leu Asn Arg Gln Ile Lys
167         1             5             10             15
168     Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
169         20             25
170 <210> SEQ ID NO 10
171 <211> LENGTH: 8
172 <212> TYPE: PRT
173 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide
176 <220> FEATURE:
177 <221> NAME/KEY: VARIANT
178 <222> LOCATION: (2)
179 <223> OTHER INFORMATION: X = methionine, isoleucine, threonine, arginine,
180     alanine or serine, preferably methionine
181 <220> FEATURE:
182 <221> NAME/KEY: VARIANT
183 <222> LOCATION: (3)
184 <223> OTHER INFORMATION: X = arginine, histidine, glutamic acid, cysteine,
185     serine, or preferably aspartic acid.
186 <220> FEATURE:
187 <221> NAME/KEY: VARIANT
188 <222> LOCATION: (4)
189 <223> OTHER INFORMATION: X = histidine, phenylalanine, or preferably
190     tyrosine
191 <220> FEATURE:
192 <221> NAME/KEY: VARIANT
193 <222> LOCATION: (6)
194 <223> OTHER INFORMATION: X = glutamic acid, threonine, alanine,

```

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

FYI

PAGE: 5

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/214,371A

DATE: 03/10/2000
TIME: 16:17:04

Input Set: I214371A.RAW

195 phenylalanine or serine, preferably glutamic acid
196 <220> FEATURE:
197 <221> NAME/KEY: VARIANT
198 <222> LOCATION: (7)
199 <223> OTHER INFORMATION: X = glycine, glutamine, threonine, alanine or
200 aspartic acid, preferably glycine.
201 <220> FEATURE:
202 <221> NAME/KEY: VARIANT
203 <222> LOCATION: (8)
204 <223> OTHER INFORMATION: X = phenylalanine, glutamine or preferably
205 leucine.
206 <400> SEQUENCE: 10
W--OK 207 Phe Xaa Xaa Xaa Trp Xaa Xaa Xaa
208 1 5
209 <210> SEQ ID NO 11
210 <211> LENGTH: 9
211 <212> TYPE: PRT
212 <213> ORGANISM: Artificial Sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: Description of Artificial Sequence:peptide
215 <220> FEATURE:
216 <221> NAME/KEY: VARIANT
217 <222> LOCATION: (1)
218 <223> OTHER INFORMATION: X = arginine, asparagine, alanine, threonine or
219 valine, particularly arginine.
220 <220> FEATURE:
221 <221> NAME/KEY: VARIANT
222 <222> LOCATION: (3)
223 <223> OTHER INFORMATION: X = methionine, isoleucine, threonine, arginine,
224 alanine or serine, preferably methionine
225 <220> FEATURE:
226 <221> NAME/KEY: VARIANT
227 <222> LOCATION: (4)
228 <223> OTHER INFORMATION: X = arginine, histidine, glutamic acid, cysteine,
229 serine or preferably aspartic acid.
230 <220> FEATURE:
231 <221> NAME/KEY: VARIANT
232 <222> LOCATION: (5)
233 <223> OTHER INFORMATION: Xaa = histidine, phenylalanine or preferably
234 tyrosine.
235 <220> FEATURE:
236 <221> NAME/KEY: VARIANT
237 <222> LOCATION: (7)
238 <223> OTHER INFORMATION: X = glutamic acid, threonine, alanine,
239 phenylalanine or serine, preferably glutamic acid.
240 <220> FEATURE:
241 <221> NAME/KEY: VARIANT
242 <222> LOCATION: (8)
243 <223> OTHER INFORMATION: X = glycine, glutamine, threonine, alanine or
244 aspartic acid preferably glycine.

Please Note:

Please ensure that all subsequent artificial/unknown sequences have a suitable explanation in the
<220> - <223> section.

✓ FSI

Input Set: I214371A.RAW

Line	Error/Warning	Original Text
36	W "N" or "Xaa" used: Feature required	Phe Xaa Xaa Leu Trp
50	W "N" or "Xaa" used: Feature required	Pro Xaa Phe Xaa Asp Tyr Trp Xaa Xaa Leu
81	W "N" or "Xaa" used: Feature required	Xaa Xaa Phe Xaa Xaa Xaa Trp Xaa Xaa Xaa
130	W "N" or "Xaa" used: Feature required	Xaa Xaa Phe Xaa Xaa Xaa Trp Xaa Xaa Xaa
207	W "N" or "Xaa" used: Feature required	Phe Xaa Xaa Xaa Trp Xaa Xaa Xaa
251	W "N" or "Xaa" used: Feature required	Xaa Phe Xaa Xaa Xaa Trp Xaa Xaa Xaa
322	W "N" or "Xaa" used: Feature required	Xaa Gly Pro Ala Phe Thr His Tyr Trp Ala T
339	W "N" or "Xaa" used: Feature required	Xaa Pro Arg Phe Met Asp Tyr Trp Glu Gly L
356	W "N" or "Xaa" used: Feature required	Xaa Pro Thr Phe Ser Asp Tyr Trp Lys Leu L
373	W "N" or "Xaa" used: Feature required	Xaa Ala Phe Thr His Tyr Trp Xaa
390	W "N" or "Xaa" used: Feature required	Xaa Thr Phe Ser Asp Tyr Trp Xaa
407	W "N" or "Xaa" used: Feature required	Xaa Arg Phe Met Asp Tyr Trp Xaa
424	W "N" or "Xaa" used: Feature required	Xaa Glu Thr Phe Ser Asp Leu Trp Lys Leu L
441	W "N" or "Xaa" used: Feature required	Xaa Pro Thr Phe Ser Asp Leu Trp Lys Leu L
458	W "N" or "Xaa" used: Feature required	Xaa Glu Thr Phe Ser Asp Tyr Trp Lys Leu L
475	W "N" or "Xaa" used: Feature required	Xaa Gln Asn Phe Ile Asp Tyr Trp Thr Gln G
492	W "N" or "Xaa" used: Feature required	Xaa Asp Arg Ala Pro Thr Phe Arg Asp His T
509	W "N" or "Xaa" used: Feature required	Xaa Arg Pro Ala Leu Val Phe Ala Asp Tyr T
526	W "N" or "Xaa" used: Feature required	Xaa Ala Phe Ser Arg Phe Trp Ser Asp Leu S
539	W "N" or "Xaa" used: Feature required	Thr Gly Pro Ala Phe Thr His Tyr Trp Ala T
552	W "N" or "Xaa" used: Feature required	Met Pro Arg Phe Met Asp Tyr Trp Glu Gly L
569	W "N" or "Xaa" used: Feature required	Xaa Gly Gln Pro Thr Phe Ser Asp Tyr Trp L
586	W "N" or "Xaa" used: Feature required	Xaa Gly Gln Pro Thr Phe Ser Asp Tyr Trp L
603	W "N" or "Xaa" used: Feature required	Xaa Gly Pro Thr Phe Ser Asp Leu Trp Xaa
620	W "N" or "Xaa" used: Feature required	Xaa Gly Pro Thr Phe Ser Asp Leu Trp Xaa
637	W "N" or "Xaa" used: Feature required	Xaa Pro Thr Phe Ser Asp Leu Trp Xaa
654	W "N" or "Xaa" used: Feature required	Xaa Pro Thr Phe Ser Asp Leu Trp Xaa
671	W "N" or "Xaa" used: Feature required	Xaa Gly Ser Gly Gln Glu Thr Phe Ser Asp L
688	W "N" or "Xaa" used: Feature required	Xaa Gly Ser Gly Gln Pro Thr Phe Ser Asp L
705	W "N" or "Xaa" used: Feature required	Xaa Gly Ser Gly Gln Glu Thr Phe Ser Asp T
722	W "N" or "Xaa" used: Feature required	Xaa Met Pro Arg Phe Met Asp Tyr Trp Glu G
724	W "N" or "Xaa" used: Feature required	Lys Ile Trp Phe Gln Asn Arg Arg Met Lys T
758	W "N" or "Xaa" used: Feature required	Xaa Ala Val Ala Leu Leu Pro Ala Val Leu L
760	W "N" or "Xaa" used: Feature required	Ala Met Pro Arg Phe Met Asp Tyr Trp Glu G
786	W "N" or "Xaa" used: Feature required	Xaa Thr Phe Ser Asp Tyr Trp Xaa
803	W "N" or "Xaa" used: Feature required	Xaa Thr Phe Ser Asp Tyr Trp Xaa
820	W "N" or "Xaa" used: Feature required	Xaa Ala Phe Thr His Tyr Trp Xaa
837	W "N" or "Xaa" used: Feature required	Xaa Ala Phe Thr His Tyr Trp Xaa
854	W "N" or "Xaa" used: Feature required	Xaa Arg Phe Met Asp Tyr Trp Xaa
871	W "N" or "Xaa" used: Feature required	Xaa Arg Phe Met Asp Tyr Trp Xaa
888	W "N" or "Xaa" used: Feature required	Xaa Thr Phe Ser Asp Tyr Trp Xaa
913	W "N" or "Xaa" used: Feature required	Xaa Arg Phe Met Asp Tyr Trp Xaa
938	W "N" or "Xaa" used: Feature required	Xaa Met Xaa Tyr Trp Xaa Gly Xaa
963	W "N" or "Xaa" used: Feature required	Xaa Phe Met Xaa Tyr Trp Xaa Gly Xaa
988	W "N" or "Xaa" used: Feature required	Xaa Phe Met Xaa Tyr Trp Glu Xaa Xaa
1017	W "N" or "Xaa" used: Feature required	Xaa Met Xaa Tyr Trp Xaa Xaa Xaa
1042	W "N" or "Xaa" used: Feature required	Xaa Met Xaa Tyr Trp Gln Xaa Xaa
1059	W "N" or "Xaa" used: Feature required	Xaa Phe Met Asp Tyr Trp Glu Gly Xaa
1076	W "N" or "Xaa" used: Feature required	Xaa Met Asp Tyr Trp Glu Gly Xaa
1097	W "N" or "Xaa" used: Feature required	Xaa Met Xaa Tyr Trp Glu Gly Xaa

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VERIFICATION SUMMARY
PATENT APPLICATION US/09/214,371A

DATE: 03/10/2000
TIME: 16:17:04

Input Set: I214371A.RAW

Line	Error/Warning	Original Text
1118	W "N" or "Xaa" used: Feature required	Xaa Met Asp Tyr Trp Xaa Gly Xaa
1215	W "N" or "Xaa" used: Feature required	Xaa Gly Ser Gly Glu Pro Pro Leu Ser Gln G